

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

| | |
|------------------------|------------|
| Application Number | 10590563 |
| Filing Date | 2007-12-13 |
| First Named Inventor | Ian Donald |
| Art Unit | 3671 |
| Examiner Name | |
| Attorney Docket Number | 1600-19502 |

U.S. PATENTS[Remove](#)

| Examiner Initial* | Cite No | Patent Number | Kind Code ¹ | Issue Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|---------------|------------------------|------------|---|--|
| | 1 | 2233077 | | 1941-02-25 | Gillespie et al. | |
| | 2 | 2276883 | | 1942-03-17 | Schon et al. | |
| | 3 | 2790500 | | 1957-04-30 | Jones | |
| | 4 | 3358753 | | 1967-12-19 | Haeber | |
| | 5 | 3688840 | | 1972-09-05 | Curington et al. | |
| | 6 | 3820558 | | 1974-06-28 | Mueller | |
| | 7 | 3957079 | | 1976-05-18 | Whiteman | |
| | 8 | 4046191 | | 1977-09-06 | Neath | |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TB/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

| | | |
|------------------------|------------|----------------------|
| Application Number | 10590563 | 10590563 - GAU: 3671 |
| Filing Date | 2007-12-13 | |
| First Named Inventor | Ian Donald | |
| Art Unit | 3671 | |
| Examiner Name | | |
| Attorney Docket Number | 1600-19502 | |

| | | | | | |
|----|---------|--|------------|-----------------|--|
| 9 | 4099583 | | 1978-07-11 | Maus | |
| 10 | 4210208 | | 1980-07-01 | Shanks | |
| 11 | 4291772 | | 1981-09-29 | Beynet | |
| 12 | 4457489 | | 1984-07-03 | Gilmore | |
| 13 | 4503878 | | 1985-03-12 | Taylor | |
| 14 | 4589493 | | 1986-05-20 | Kelly et al. | |
| 15 | 4702320 | | 1987-10-27 | Gano et al. | |
| 16 | 4813495 | | 1989-03-21 | Leach | |
| 17 | 4832124 | | 1989-05-23 | Davis | |
| 18 | 4848475 | | 1989-07-18 | Dean et al. | |
| 19 | 4899822 | | 1990-02-13 | Daeschler et al | |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TB/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

| | | |
|------------------------|------------|----------------------|
| Application Number | 10590563 | 10590563 - GAU: 3671 |
| Filing Date | 2007-12-13 | |
| First Named Inventor | Ian Donald | |
| Art Unit | 3671 | |
| Examiner Name | | |
| Attorney Docket Number | 1600-19502 | |

| | | | | | |
|----|---------|--|------------|-------------------|--|
| 20 | 5280766 | | 1994-01-25 | Mohn | |
| 21 | 5299641 | | 1994-04-05 | Paulo et al | |
| 22 | 5807027 | | 1998-09-15 | Oestergaar et al. | |
| 23 | 6053252 | | 2000-04-25 | Edwards | |
| 24 | 6321843 | | 2001-11-27 | Baker | |
| 25 | 6457529 | | 2002-10-01 | Calder et al. | |
| 26 | 6457530 | | 2002-10-01 | Lam et al. | |
| 27 | 6651745 | | 2003-11-25 | Lush et al. | |
| 28 | 6823941 | | 2004-11-30 | Donald | |
| 29 | 6966383 | | 2005-11-22 | Milberger et al. | |
| 30 | 7111687 | | 2006-09-26 | Donald et al. | |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TB/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

| | | |
|------------------------|------------|----------------------|
| Application Number | 10590563 | 10590563 - GAU: 3671 |
| Filing Date | 2007-12-13 | |
| First Named Inventor | Ian Donald | |
| Art Unit | 3671 | |
| Examiner Name | | |
| Attorney Docket Number | 1600-19502 | |

| | | | | | |
|----|---------|--|------------|----------------|--|
| 31 | 7210530 | | 2007-05-01 | Lush et al. | |
| 32 | 7270185 | | 2007-09-18 | Fontana et al. | |
| 33 | 7569097 | | 2009-08-04 | Campen et al. | |
| 34 | 7718676 | | 2010-05-18 | Moussy et al. | |
| 35 | 7740074 | | 2010-01-22 | White et al. | |

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS

Remove

| Examiner Initial* | Cite No | Publication Number | Kind Code ¹ | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|--------------------|------------------------|------------------|---|--|
| | 1 | 20030145997 | | 2003-08-07 | Langford et al. | |
| | 2 | 20030146000 | | 2003-08-07 | Dezen et al. | |
| | 3 | 20040057299 | | 2004-03-25 | Kozakai et al. | |
| | 4 | 20050109514 | | 2005-05-19 | White et al. | |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TB/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

| | | |
|------------------------|------------|----------------------|
| Application Number | 10590563 | 10590563 - GAU: 3671 |
| Filing Date | 2007-12-13 | |
| First Named Inventor | Ian Donald | |
| Art Unit | 3671 | |
| Examiner Name | | |
| Attorney Docket Number | 1600-19502 | |

| | | | | | |
|----|-------------|--|------------|-------------------|--|
| 5 | 20040154790 | | 2004-08-12 | Cornelssen et al. | |
| 6 | 20050058535 | | 2005-03-17 | Meshenky et al. | |
| 7 | 20050028984 | | 2005-02-10 | Donald et al. | |
| 8 | 20070144743 | | 2007-06-28 | White et al. | |
| 9 | 20080128139 | | 2008-06-05 | White | |
| 10 | 20090126938 | | 2009-05-21 | White | |

If you wish to add additional U.S. Published Application citation information please click the Add button. [Add](#)

FOREIGN PATENT DOCUMENTS

[Remove](#)

| Examiner Initial* | Cite No | Foreign Document Number ³ | Country Code ² i | Kind Code ⁴ | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear | T ⁵ |
|-------------------|---------|--------------------------------------|-----------------------------|------------------------|------------------|---|--|--------------------------|
| | 1 | 2541715 | DE | | 1976-04-01 | Hitachi Ltd. | | <input type="checkbox"/> |
| | 2 | 3738424 | DE | | 1989-05-24 | Sueddeutsche Kuehler Behr | | <input type="checkbox"/> |
| | 3 | 0036213 | EP | | 1981-09-23 | Hitachi Constr. | | <input type="checkbox"/> |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TB/

| | | | | |
|---|------------------------|------------|------------|----------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) | Application Number | | 10590563 | 10590563 - GAU: 3671 |
| | Filing Date | | 2007-12-13 | |
| | First Named Inventor | Ian Donald | | |
| | Art Unit | | 3671 | |
| | Examiner Name | | | |
| | Attorney Docket Number | | 1600-19502 | |

| | | | | | | | | |
|--|----|------------|----|--|------------|---------------------------------|--|--------------------------|
| | 4 | 1022352 | GB | | 1966-03-09 | Associated Electrical Ind. Ltd. | | <input type="checkbox"/> |
| | 5 | 200047864 | WO | | 2000-08-17 | FMC Corp | | <input type="checkbox"/> |
| | 6 | 2003078793 | WO | | 2003-09-25 | ABB Offshore Systems | | <input type="checkbox"/> |
| | 7 | 200333868 | WO | | 2003-04-24 | Alpha Thames, Ltd | | <input type="checkbox"/> |
| | 8 | 2005047646 | WO | | 2005-05-25 | DES Enhanced | | <input type="checkbox"/> |
| | 9 | 2005083228 | WO | | 2005-09-09 | DES Enhanced Recovery, Ltd. | | <input type="checkbox"/> |
| | 10 | 2007079137 | WO | | 2007-07-12 | Ingersoll Rand Col | | <input type="checkbox"/> |

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T ⁵ |
|--------------------|---------|---|--------------------------|
| | 1 | | <input type="checkbox"/> |

If you wish to add additional non-patent literature document citation information please click the Add button

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TB/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

| | | |
|------------------------|------------|----------------------|
| Application Number | 10590563 | 10590563 - GAU: 3671 |
| Filing Date | 2007-12-13 | |
| First Named Inventor | Ian Donald | |
| Art Unit | 3671 | |
| Examiner Name | | |
| Attorney Docket Number | 1600-19502 | |

EXAMINER SIGNATURE

| | | | |
|--------------------|----------------|-----------------|------------|
| Examiner Signature | /Thomas Beach/ | Date Considered | 08/26/2010 |
|--------------------|----------------|-----------------|------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TB/